

Substitute for form 1449/PTO & 1449B/PTO

Complete If Known

FIRST
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
 (use as many sheets as necessary)

Application Number	10/552,298
Filing Date	September 30, 2005
First Named Inventor	Gordon N. Gill et al.
Examiner Name	
Attorney Docket No.	1034123-000168



Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	4,987,071			
	5,093,246			
	5,116,742			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	WO 99/46374		WO							X	
	JP 2002/505878		JP							X	

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Altschul et al. (1990). "Basic local alignment search tool," <i>J. Mol. Biol.</i> 215:403-10.
	Altschul et al. (1997). "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," <i>Nucleic Acids Res.</i> 25(17):3389-3402.
	Archambault et al. (1997). "An essential component of a C-terminal domain phosphatase that interacts with transcription factor IIF in <i>Saccharomyces cerevisiae</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 94:14300-14305.
	Bartel, D. and Szostak, J.W. (1993). "Isolation of new ribozymes from a large pool of random sequences," <i>Science</i> 261:1411-1418.
	Chambers and Dahmus (1994). "Purification and characterization of a phosphatase from HeLa cells which dephosphorylates the C-terminal domain of RNA polymerase II," <i>J. Biol. Chem.</i> 269:26243-26248.
	Chen et al. (1998). "NRSF/REST is required <i>in vivo</i> for repression of multiple neuronal target genes during embryogenesis," <i>Nature Genetics</i> 20:136-142.
	Cho et al. (1997). "mRNA capping enzyme is recruited to the transcription complex by phosphorylation of the RNA polymerase II carboxy-terminal domain," <i>Genes Dev.</i> 11:3319-3326.
	Cho et al. (2001). "Opposing effects of Ctk1 kinase and Fcp1 phosphatase at Ser 2 of the RNA polymerase II C-terminal domain," <i>Genes Dev.</i> 15:3319-3329.
	Cho et al. (1999). "A protein phosphatase functions to recycle RNA polymerase II," <i>Genes Dev.</i> 13:1540-1552.
	Chong et al. (1995). "REST: A mammalian silencer protein that restricts sodium channel gene expression to neurons," <i>Cell</i> 80:949-957.

Examiner Signature	/Sheridan Swope/ (04/11/2008)	Date Considered
--------------------	-------------------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.S./

Substitute for form 1449/PTO & 1449B/PTO

Complete If Known

FIRST
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
 (use as many sheets as necessary)

Application Number	10/552,298
Filing Date	September 30, 2005
First Named Inventor	Gordon N. Gill et al.
Examiner Name	
Attorney Docket No.	1034123-000168

Sheet 2 of 3

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Gautlier et al. (1987). "alpha-DNA IV: alpha-anomeric and beta-anomeric tetrathymidylates covalently linked to intercalating oxazolyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding," <i>Nucleic Acids Res.</i> 15:6625-6641.
	Goeddel (1990). "Systems for heterologous gene expression" <i>In Methods in Enzymology</i> , Academic Press, San Diego, CA, Vol. 185, pp. 3-7.
	Hakimi et al. (2002). A core-BRAF35 complex containing histone deacetylase mediates repression of neuronal-specific genes," <i>Proc. Natl. Acad. Sci. USA</i> 99:7420-7425.
	Hasselhoff and Gerlach (1988). "Simple RNA enzymes with new and highly specific endoribonuclease activities," <i>Nature</i> 334:585-591.
	Hausmann and Shuman (2002). "Characterization of the CTD phosphatase Fcp1 from fission yeast," <i>J. Biol. Chem.</i> 277:21213-21220.
	Helene, C. (1991). "The anti-gene strategy: control of gene expression by triplex-forming-oligonucleotides," <i>Anticancer Drug Des.</i> 6(6):569-84.
	Helene C. et al. (1992). "Antisense strategies," <i>In Annals of the New York Academy of Sciences</i> , The New York Academy of Sciences, New York, NY, 660:27-36.
	Hyrup B. et al. (1996). "Peptide Nucleic Acids (PNA): Synthesis, properties and potential applications," <i>Bioorganic & Medicinal Chemistry</i> 4(1):5-23.
	Inoue et al. (1987). "Synthesis and hybridization studies on two complementary nona(2'-O-methyl) ribonucleotides," <i>Nucleic Acids Res.</i> 15:6131-6148.
	Inoue et al. (1987). "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H," <i>FEBS Lett.</i> 215:327-330.
	Jessell (2000). "Neuronal specification in the spinal cord: inductive signals and transcriptional codes," <i>Nature Rev Genetics</i> 1:20-29.
	Kang and Dahmus (1993). "RNA polymerases IIA and IIO have distinct roles during transcription from the TATA-less murine dihydrofolate reductase promoter," <i>J. Biol. Chem.</i> 268:25033-25040.
	Kimura et al. (2002). "Formation of a carboxy-terminal domain phosphatase (Fcp1)/TFIIF/RNA polymerase II (pol II) complex in <i>Schizosaccharomyces pombe</i> involves direct interaction between Fcp1 and Rpb4 subunit of pol II," <i>Mol. Cell Biol.</i> 22:1577-1588.
	Kobor et al. (1999). An unusual eukaryotic protein phosphatase required for transcription by RNA polymerase II and CTD dephosphorylation in <i>S. cerevisiae</i> ," <i>Mol. Cell</i> 4:55-62.
	Kokura et al. (2001). "The ski protein family is required for MeCP2-mediated transcriptional repression," <i>J. Biol. Chem.</i> 276:34115-34121.
	Lam, K.S. (1997). "Application of combinatorial library methods in cancer research and drug discovery," <i>Anticancer Drug Des.</i> 12:145.
	Lin et al. (2002). "CTD phosphatase: role in RNA polymerase II cycling and the regulation of transcript elongation," <i>Prog. Nucl. Acid Res. Mol. Biol.</i> 72:333-365.
	Lin et al. (2002). "TFIIF-associating carboxyl-terminal domain phosphatase dephosphorylates phosphoserines 2 and 5 of RNA polymerase II," <i>J. Biol. Chem.</i> 277:45949-45956.
	Maher, L.J. (1992). "DNA triple-helix formation: an approach to artificial gene repressors," <i>Bioassays</i> 14(12):807-15.
	McCracken et al. (1997). "5'-Capping enzymes are targeted to pre-mRNA by binding to the phosphorylated carboxy-terminal domain of RNA polymerase II," <i>Genes Dev.</i> 11:3306-3318.
	Myers and Miller (1988). "Optimal alignments in linear space," <i>CABIOS</i> 4:11-17.

Examiner Signature	/Sheridan Swope/ (04/11/2008)	Date Considered
--------------------	-------------------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.S./

Substitute for form 1449/PTO & 1449B/PTO

Complete if Known

FIRST
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
 (use as many sheets as necessary)

Application Number	10/552,298
Filing Date	September 30, 2005
First Named Inventor	Gordon N. Gill et al.
Examiner Name	
Attorney Docket No.	1034123-000168

Sheet 3 of 3

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	Naruse et al. (1999). "Neural restrictive silencer factor recruits mSin3 and histone deacetylase complex to repress neuron-specific target genes," <i>Proc. Natl. Acad. Sci USA</i> 96:1369-13696.
	Needleman and Wunsch (1970). "A general method applicable to the search for similarities in the amino acid sequence of two proteins," <i>J. Mol. Biol.</i> 48:444-453.
	Pei et al. (2001). "The length, phosphorylation state, and primary structure of the RNA polymerase II carboxyl-terminal domain dictate interactions with mRNA capping enzymes," <i>J. Biol. Chem.</i> 276:28075-28082.
	Perry-O'Keefe et al. (1996). "Peptide nucleic acid pre-gel hybridization: an alternative to southern hybridization," <i>Proc. Natl. Acad. Sci.</i> 93:14670-675.
	Schoenherr and Anderson (1995). "The neuron-restrictive silencer factor (NRSF): a coordinate repressor of multiple neuron-specific genes," <i>Science</i> 267:1360-1363.
	Spencer et al. (2003). "Chromatin immunoprecipitation: a tool for studying histone acetylation and transcription factor binding," <i>Methods</i> 31:67-75.
	Strauss (1993). "Using DNA fragments as probes," <i>In</i> Current Protocols in Molecular Biology, John Wiley & Sons, N.Y., Vol. 1:6.3.1-6.3.6.
	Su et al. (1997). "Characterization of a highly conserved gene (OS4) amplified with CDK4 in human sarcomas," <i>Oncogene</i> 15:1289-1294.
	Weintraub, H. et al. (1985). "Antisense RNA as a molecular tool for genetic analysis," <i>Reviews - Trends in Genetics</i> , Vol 1 pp. 22-25.
	West and Corden (1995). "Construction and analysis of yeast RNA polymerase II CTD deletion and substitution mutations," <i>Genetics</i> 140:1223-1233.

Examiner Signature	/Sheridan Swope/ (04/11/2008)	Date Considered	
--------------------	-------------------------------	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.S./